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ATTORNEY DOCKET NO. M. CHADHA 3-3-1

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PATENT

#10
5/10/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mandeep Singh Chadha, *et al.*

Serial No.: 09/650,853

Filed: August 29, 2000

Title: ECHO CANCELING SYSTEM FOR A BIT PUMP
AND METHOD OF OPERATING THE SAME

Grp./A.U.: 2643

Examiner: Rexford N. Barnie

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Signature

Sir:

SUPPLEMENTAL RESPONSE UNDER 37 C.F.R. § 1.116

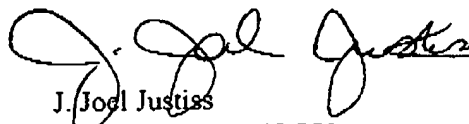
The Applicants have been informed that the first page of the original application is not in the Examiner's file. Accordingly, the Applicants resubmit the first page and a copy of the post card receipt from the USPTO indicating the receipt of 61 pages of the original application. The 61 pages of the original application include the missing first page.

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to
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05/12/04

The Applicants thank the Examiner for his diligence in pointing this out and respectfully request a Notice of Allowance for pending Claims 15-28. The Applicants request the Examiner to telephone the undersigned attorney of record at (972) 480-8800 if such would further or expedite the prosecution of the present application.

Respectfully submitted,

HITT GAINES, P.C.


J. Joel Justiss
Registration No. 48,981

Dated: 4/30/04

P.O. Box 832570
Richardson, Texas 75083
(972) 480-8800

Attorney Docket No.: CHADHA 3-3-1

PATENT APPLICATION

**ECHO CANCELING SYSTEM FOR A BIT PUMP
AND METHOD OF OPERATING THE SAME**

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CERTIFICATE OF EXPRESS MAIL

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Hitt Gaines & Boisbrun, P.C.
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Richardson, Texas 75083
972-480-8800

ECHO CANCELING SYSTEM FOR A BIT PUMP
AND METHOD OF OPERATING THE SAME

CROSS-REFERENCE TO RELATED APPLICATION

This U.S. application is related to the following U.S.

5 applications.

Reference Number	File Date	Title
Chadha 2-2-2	August 29, 2000	SEPARATION CIRCUIT FOR AN ECHO CANCELING SYSTEM AND METHOD OF OPERATING THE SAME
Chadha 1-1-1-1	August 29, 2000	FILTER CIRCUIT FOR A BIT PUMP AND METHOD OF CONFIGURING THE SAME
Barnette 2-2	August 29, 2000	RESAMPLER FOR A BIT PUMP AND METHOD OF RESAMPLING A SIGNAL ASSOCIATED THEREWITH
10 Barnette 1	August 29, 2000	AN INTERPOLATOR, A RESAMPLER EMPLOYING THE INTERPOLATOR AND METHOD OF INTERPOLATING A SIGNAL ASSOCIATED THEREWITH

The above-referenced U.S. applications are commonly assigned with
the present invention and incorporated herein by reference.

TECHNICAL FIELD OF THE INVENTION

15 The present invention is directed, in general, to digital
signal processing and, more specifically, to an echo canceling
system for a bit pump and a transceiver employing the bit pump.

DOCKET**SEP 11 2000**

jc895 U.S. PTO
09/650853
08/29/00

CHAQHA 3-3-1 (LUCT-121358)

Inventor: Mandeep Singh Chadha, et al.
Title: "Echo Canceling System for a Bit Pump and Method of
Operating the Same"
Filing Date: Herewith
Serial No.: N/A
Express Mail Receipt No.: EL053866857US

The Commissioner of Patents and Trademarks Office "Received" stamp
imprinted hereon acknowledges the filing of: Application Transmittal (1
pg.); Fee Transmittal (in duplicate; 1 pg.); Cover Sheet & Specification
(61 pg.); Drawings (5 sheets)

HITT GAINES, P.C.

Intellectual Property Law & Related Matters

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FACSIMILE TRANSMISSION**OFFICIAL**

TO: Examiner Barnie
Group Art Unit 2643

FAX NO. (703) 872-9314

FROM: J. Joel Justiss

RE: Serial No. 09/650,853
Attorney Docket No.: CHADHA 3-3-1
Supplemental Response under 37 CFR 1.116; Coversheet
and Page 1 of filed Application and copy of USPTO postcard
receipt

DATE: April 30, 2004

PAGES: 6 (including cover page)

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